User's Guide

iAUDIO 5

BBE Mach3Bass MP3 DIGITAL AUDIO Ogg vorbis Windows Media Mac OS LDB Lyric Data Base JetAudio

General

- iAUDIO is a registered trademark of Cowon Systems.
- This product is for home use only and cannot be used for commercial purposes.
- The copyright for this manual belongs exclusively to Cowon Systems, and it is strictly prohibited to distribute this manual in whole or in part without prior written premission.
- The copyrights for JetShell and JetAudio belong to Cowon Systems, and it is strictly prohibited to distribute them without prior written permission by Cowon Systems or to use them commercially.
- The MP3 files created using the MP3 conversion feature of JetShell or JetAudio must be used for personal purpose only. It is against the copyright laws to use them for commercial purposes or services.
- Cowon Systems abides by the regulations on phonograph records, videos, and games. It is the responsibility of user to comply with the all other related codified laws.
- We recommend customers who have purchased iAUDIO to register at http://www.iAUDIO.com as a customer to enjoy specialized services for iAUDIO. Only members who have legally registered as a customer can enjoy various specialized benefits.
- The examples, texts, drawings, and pictures contained in this manual are subject to change without prior notice according to improvements of the product.

Information on BBE

- iAUDIO is produced under license from BBE Sound, Inc.
- BBE Sound, Inc. retains licensing rights pursuant to USP4638258, 5510752, and 5736897.
- BBE and the BBE symbols are registered trademarks of BBE Sound, Inc.

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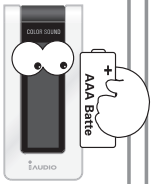
iAUDIO 5

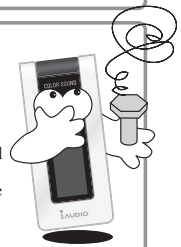
Do not use iAUDIO for purposes other than specified here in the User's Guide.

Be careful not to cut your hands when unpacking the box, User's Guide, or accessories.

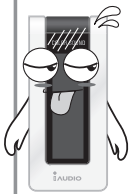
This product uses 1.2 ~ 1.5V batteries. Always use AAA batteries, and pay attention to the polarity when replacing batteries. Never reuse batteries that have been found leaking.



There are no user service-able parts in the unit, and any attempt to open, disassemble or reconstruct the product will void any warranty, disqualify it for free service, and the unit may be permanently disqualified from any after service.



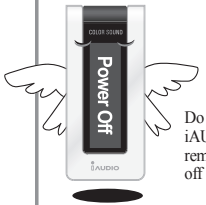
Pay attention to the directions when connecting the USB cable to your iAUDIO or a PC.
Connecting the unit or PC incorrectly with the USB cable may damage them.
Do not bend the USB cable exces-sively or leave it pressed by heavy objects.



If you smell iAUDIO burning or it becomes overheated, remove the battery and contact our Customer Support Team or a Cowon Systems after-service center.

Touching iAUDIO with wet hands may damage the unit and cause malfunctions.

Do not let the unit get wet or leave it in a damp place for prolonged periods. If the product is damaged from moisture as described above, product failure is then classified as failure by submersion, and no longer covered by warranty. Moreover, it may not be even be possible to repair the unit with charged for service, and you may no longer be able to use the product.



Do not remove the battery while iAUDIO is operating. Always remove the battery after turning off iAUDIO.

Listening to iAUDIO at high volumes for extended periods may harm your hearing.

Using iAUDIO in places with high occurrences of static elec-tricity may cause malfunctions.

Always backup important files. All data stored in iAUDIO may become deleted when being serviced. Our after-service center does not backup files in iAUDIO units.
Please note that Cowon Systems is not responsible for any data loss from products entrusted to us for service.

1. iAUDIO

What is iAUDIO? 8
Components in the Package 10
Features 11
Specifications 12
Names of Parts 13
Replacing Batteries/Connecting the USB Cable 14
LCD Display 15
Basic Operations 16
Simple Operations by Mode 18
Detailed Descriptions by Menu 24
Terms and Definitions 40
Troubleshooting 41
Using Buttons 43
List of Menu Items 47

2. JetShell

What is JetShell? 48
Connecting iAUDIO and Installing JetShell 49
Getting Acquainted with JetShell 53
Spectrum Window and Sound Effects 56
Uploading MP3 Files to iAUDIO 57
Deleting Files in iAUDIO 59
Initializing Flash Memory (Formatting) 60

Converting Audio CD Tracks to MP3 Files and Uploading them to iAUDIO Simultaneously 61
Other Features 64
Installing and Using JetAudio 67

LDB Manager – Lyrics Auto-Input Application 32

Upgrading Firmware 68

Customer Support and A/S 73

Warranty 79

What is iAUDIO?

iAUDIO is an original MP3 Player brand from Cowon Systems. It is a super-compact portable digital audio device that allows you to play MP3 files and other various multimedia audio files, listen to and record FM radio stations, record voice and encode directly.

Deluxe, portable, and stylish design

iAUDIO with its deluxe, ultra-compact design is convenient to carry as durable as its high-quality appearance is stylish.

Continuous play of up to 20 hours with one AAA battery

Thanks to its super power-saving circuit, iAUDIO boasts a long playback time of up to 20 hours with just one AAA battery. (Based on Cowon standardized testing.)

High-Quality Voice Recording

With the built-in high-fidelity microphone, iAUDIO can record voice to the level of dedicated voice recorders. You can record important meetings or lectures, and save them in your PC to listen to later.

Direct Encoding (Line-in)

iAUDIO provides direct encoding by which you can record the output from an external audio device. This means that you can connect the 3.5 mm Line-in jack of iAUDIO and the output jack of an external audio device with a bi-directional stereo cable for recording. Using this feature, you can receive direct inputs from a walkman, MD (mini disk), old LP phonograph, or TV, and convert and save them as files in different digital audio formats in iAUDIO for your personal enjoyment.

Listen to and Record FM Radio

You can not only listen to FM radio, but record your favorite programs directly in iAUDIO while listening. This feature is also very useful for studying language. Once recorded, you can listen to the recorded files repeatedly. You can save up to 24 radio frequencies in preset stations with channel numbers.

Alarm and Scheduled Recording

You can set the alarm to a desired time to start the day with an FM radio station or your favorite music, or record educational radio stations early in the morning to listen to later.

Wide Graphic LCD

iAUDIO is equipped with a 128 x 64 graphic LCD and an additional 4-line wide LCD consisting of segment LCDs that allow you to check overall operations at a glace. iAUDIO comes embedded with common fonts that can display a total of over 40,000 characters in various languages to support virtually any language in its elegant display.

1,000 Color LED Backlight and Visualizations

iAUDIO can express 1,000 back light colors. You can personally specify the colors for MP3, FM Radio, Recording, Menu, Navigating, or Song Change modes. For example, you can set blue for MP3 mode, light green for FM mode, and other colors for different modes or commands.

Most Powerful Sound Fields in the World

iAUDIO produces uniquely powerful and delicate sound. You can enjoy every sound field effect listed below:

- BBE: Sound field effect that makes music more vivid.
- Mach3Bass: Base booster that reinforces super low frequencies.
- MP Enhance: Sound effect that compensates for lost parts of sound.
- 3D Surround: Three-dimensional sound that gives the sound a wide sense of space.

Easy iAUDIO5 Upgrades through Firmware Downloads

You can easily upgrade iAUDIO5 with the firmware download feature to always enjoy the latest features and enhancements for iAUDIO.

Portable Disk

iAUDIO is automatically recognized as a removable disk when you connect it to your PC via the USB cable. You no longer need a separate USB drive with small storage any more.

MP3 Encoding Software

JetShell, the file transfer software included in the iAUDIO package, allows you to convert music to MP3 files easily and rapidly. Now you convert and upload your favorite music from Audio CDs to iAUDIO.

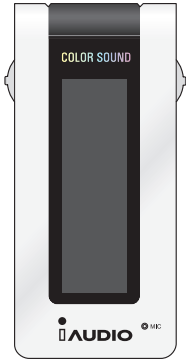
JetAudio

Also included in the package is JetAudio, the most popular integrated multimedia player software in the world.

Components in the Package

Regular battery (one AAA battery)

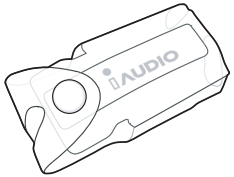
Bundled Earphones



iAUDIO
(MP3 Player Main Body)

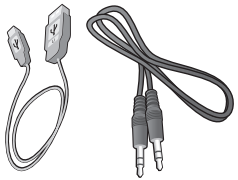
Install CD (JetShell, JetAudio)
User's Guide

Fashionable Neck strap



Transparent Carrying Case

Simple USB converter jack



USB Cable, Line-in Recording Cable

Features

- MP3, MP2, WMA, ASF, WAV (48KHz, Stereo) and OGG (up to Q9) Playback, Voice Recording, FM Radio Receiver and Recording, Direct MP3 Encoding, Removable Disk
- Basic Flash Memory Embedded (128MB/256MB/512MB/1GB/2GB)
- 4 Line Graphic LCD
- 1,000 Color LED Backlight
- USB 2.0 Interface
- Long Playback Time: Up to 20 hours of playback time with one AAA battery (Based on Cowon standardized tesing.) (Playtimes may be reduced when visualizations are used.)
- Multi language support (Embedded common fonts that can display 40,000 characters from various languages)
- Enhanced Integrated Navigator
- Play/Pause/Intro Play, Stop/Power Off, Recording
- Next Track/Previous Track, Fast Forward/Fast Rewind
- Infinite Loop
- Search Speed and Skip Speed Settings
- 40 Digital Volume Levels
- Various EQ and Sound Field Effects
  - User-Adjustable 5-Band EQ
  - Normal, Rock, Pop, Jazz, Classic, Vocal, User
  - Supports BBE, Mach3Bass, MP Enhance, and 3D Surround.
- Resume Feature, Auto Power OFF
- Hold Feature
- Backlight ON Dim Control, Scroll Speed and Backlight Color Adjustment
- Firmware and logo download
- Supports ID3V2, ID3V1, and Filename
- Device Information (firmware version, memory usage)
- Software
  - JetShell (File transfer, MP3/WMA/WAV/AUDIO CD PLAY, MP3 ENCODING)
  - JetAudio (Integrated multimedia player software)

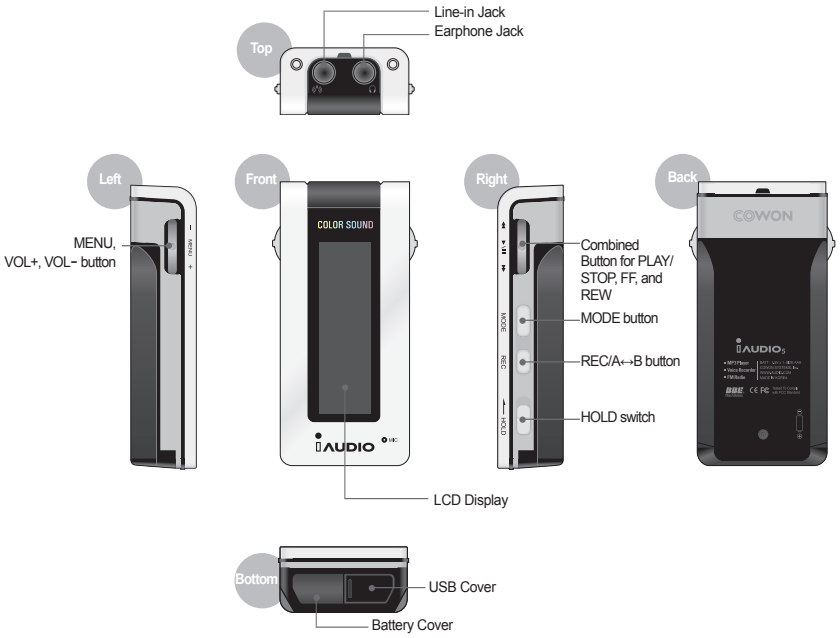
Specifications

Supported Files	All ranges of MPEG 1/2/2.5 layer 3 (8kbps ~ 320kbps) (8KHz~48KHz) and VBR All ranges of WMA7 WMA (20kbps~ 192kbps) (8KHz~48KHz), and OGG (up to Q9) * WMA9 CBR (5Kbps Mono ~ 320kbps Stereo) VBR (Average 48kbps to 256kbps) WAV (Up to 48KHz Stereo)
Memory	128MB/256MB/512MB/1GB/2GB
PC Interface	USB 2.0
File Transfer Speed	Max. 20Mbps
Battery	1 x AAA (Up to 20 hours of playback time based on Cowon standardized testing)
Buttons	2 jog buttons (PLAY, FF, REW, VOL UP/DOWN, MENU), MODE button, REC button
Switch	1 Switch (Hold)
Display	128 x 64 full graphic LCD + Segment LCD
SNR	95 dB
Output	13mW+13mW(16 Ohm Earphone)
Frequency Range	20Hz ~ 20KHz
Size	76.8 x 35 x 18 mm (Height x Width x Depth)
Weight	28 g (Excluding Battery)

*** WMA9 Professional, Lossless Codec, and Voice Codec are not supported.**

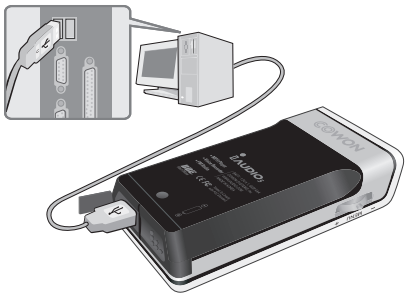
*** JetEffect is partially applied to Q8 when OGG is played. (Additional support will be offered in the future.)**

Names of Parts



Inserting Batteries

1. Push the battery cover on the bottom of the main body to the left to open it.
2. Push a AAA battery inside into contact with the positive (–) pole.
3. Push the cover to the right to close it.



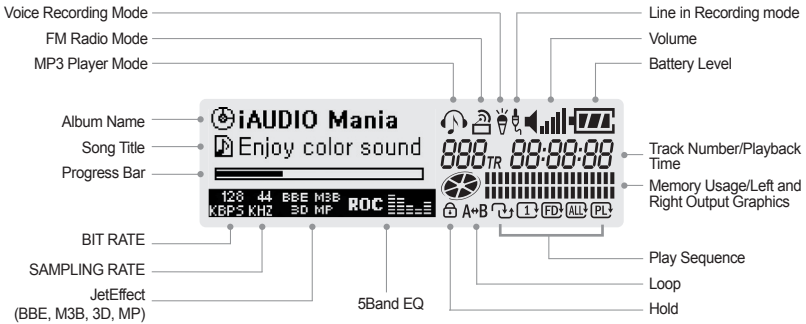
Connecting the USB Cable

When you open the USB cover on the bottom of iAUDIO, there is a built-in USB port.

Connect iAUDIO to the PC while paying attention to the direction of the USB port.

For Windows XP, you may pull out the USB cable after the transfer window is closed. **For Windows 2000, however, you should first run "Safely Remove Hardware" before pulling out the cable.**

After downloading files, be sure to check that the iAUDIO LCD display is changed to READY before pulling out the cable.



The battery level icon indicates the remaining time for use. Fewer bars are displayed as the battery charge decreases. For some dry or rechargeable batteries, the bars of the battery level indicator may become unstable while the charge is being measured, but this is normal.

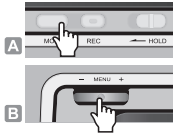
When the battery is exhausted, the battery level indicator starts to blink, and then after about 30 minutes of operation, the power goes off automatically.

Memory usage is displayed when iAUDIO is stopped in MP3 Player mode.
When the built-in memory is 128 MB, one bar indicates about 21 MB (128 MB ÷ 6). When iAUDIO is playing in MP3 Player mode, the display animates in the shape, and in the shape when in FM mode.

The disc shape is used when ID3V2 and ID3V1, and Artist + Album information is displayed. However, when the display setting is Filename, or the ID3 tag does not contain Artist information, the folder shape is used and the folder name is displayed. When the music files are saved in the root folder, the folder name is displayed as iAUDIO.

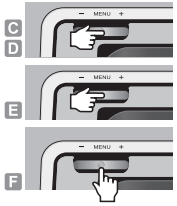
Basic Operations for Using Menu

1. Opening the Navigator or Mode Change Window



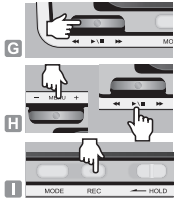
A. To open the Mode Change window, press the MODE button in Play or Stop status.
B. To open the Navigator, press and hold the MENU button in Play or Stop status. (You can change the operation mode by selecting the Setup Menu → General → MENU button.)

2. Moving and Selecting using Navigator or Mode



C. Moving up and down in Menu: Press VOL – to move up, and VOL + to move down.
D. Left and right movement in Menu or Mode: Press VOL – to move left, and VOL + to move right.
E. In EQ or Color Setting mode, move between items with the FF button (to enter an item or move right) or REW (to move left), and adjust values with the + or - buttons.
F. Select: Press the MENU button.

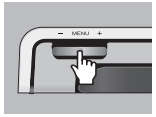
3. Returning to the previous menu or the operation window for each mode after setting, and exiting without saving



G. Returning to the previous menu: Press the REW button. The current value is saved and the previous menu appears.
H. Returning to the operation window for each mode: After adjusting a setting, press the Play/Pause button to select it. The adjusted value is applied and the operation window for the appropriate mode appears.
I. Exiting without saving changed settings: Press the REC/A↔B button to exit the menu without saving the changed settings.

Navigation Mode/Navigator

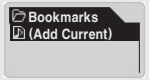
1. Entering Navigation Mode



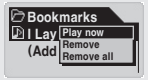
While in Play or Stop status, press and hold MENU to run Navigator.
Press the MODE button to enter the Navigation Mode.

Music Files: You can browse MP3 and WMA files according to the folder structure.
Dynamic PlayList: The playlist generated with the "Add to List" feature is displayed. You can delete items from the list as well.
Bookmarks: The Bookmark feature is used to save the locations of specific song titles to listen to them directly from the saved locations. This is very useful when using language study files or audio books that have a long playing time. You can bookmark up to 20 song titles, and play them from the bookmarked location. Press and hold the REC button to bookmark music files while they are being played.

• Entering Bookmarks



When you press the lever when (Add Current) is selected, the current location of the song title being played is bookmarked. To play a bookmarked file, select it and press the PLAY button or move it to ▶▶ direction.



Play now: The bookmarked file is played.
Remove: The bookmark for the file is deleted.
Remove all: Delete all bookmarks.

2. When you press the MENU button after selecting a file in Navigator:

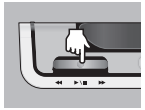
- Play now: The track is played immediately.
- Add to List: The track is added to the Dynamic Playlist.
- Intro: Only the initial part of the track is played.
- Delete: The track is completely deleted from flash memory.

3. When you briefly press the MENU button after selecting a folder in Navigator:

- Expand: The selected folder expands.
- Play now: The tracks in the selected folder are played.
  (The song titles are not displayed since iAUDIO is in Folder mode.
- Add to List: All the tracks in the selected folder are added to the Dynamic Playlist.
- Press the REW button to move to the parent folder.
- When you select a folder and press the FF button, the folder expands.

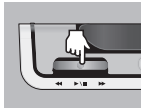
MP3 Player Mode

1. Power On and Play



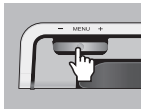
- Insert a battery and correctly connect the earphones.
- When you press and hold the PLAY button, the iAUDIO logo appears and iAUDIO powers on.
- When iAUDIO powers on, it starts playing automatically.
- Because the Resume feature is set, iAUDIO saves the last played track and position, and playback begins from there.
- To move from another mode to the MP3 Player mode to listen to music, press the MODE button after turning on iAUDIO and select MP3 Player from the menu. Navigate with the + and – buttons and press the MENU button to enter MP3 Player mode.

2. Power Off and Stop



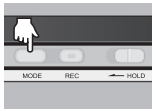
- Press and hold the PLAY button when iAUDIO is stopped to power off iAUDIO.
- When you press and hold the PLAY button briefly in the PC Play status, iAUDIO stops playing.
- You can automatically turn off iAUDIO when you set the Auto Off or Sleep feature.
- iAUDIO does not power off when your PC and iAUDIO are connected by USB cable.

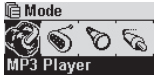
3. Adjust Volume



- To adjust Volume while playing, press + or –.
- Press briefly to adjust by 1 volume unit, or press and hold to adjust rapidly.
- Volume can be adjusted between 00 (mute) and 40.

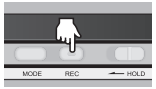
4. Changing Mode





- Press the MODE button. The MODE Change menu appears.
- Select a desired MODE by pressing the + and – buttons. The modes appear in the order “MP3 Player → FM Radio → Voice Recorder → Line in Recorder.” Press the MENU button after selecting a desired mode.
- The mode cannot be changed in the Menu window.

5. Setting Loop: A↔B



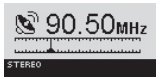
Use the REC (A↔B) button while playing tracks in MP3 Player mode. Press the button to set the loop start point. The (A↔) icons appears at the bottom middle of the LCD. Press the button again to set the loop end point. The icon changes to (A↔B). This audio block starts to play repeatedly. When you wish to release this feature, press the REC button again.

6. HOLD:

When you toggle the HOLD switch ON, iAUDIO does not respond to any buttons.

FM Radio (Listening to FM Radio)

Turn on iAUDIO and press the MODE button, and then select FM Radio from the menu. Navigate with the + and – buttons and press the MENU button to enter FM Radio mode.



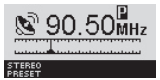
When you briefly press the FF/REW button while listening to FM Radio, the frequency moves by 0.1 KHz.

When you press and hold the FF/REW button for 1 or 2 seconds, iAUDIO automatically searches for the nearest station with good reception.

To record FM broadcasts while listening to FM radio stations, press the REC button. The broadcast is recorded in a pre-defined recording quality, and the file is saved as F***.MP3 under the 『FM』 folder in the 『Records』 folder. (“***” indicates a 3-digit consecutive number.)

To pause recording, briefly press the PLAY button.

For information on setting the recording quality, see page 32 of this manual.



When you press the PLAY button briefly while playing, the mode changes to Preset mode in which you can select a preset channel. When you press and hold the MENU button while listening to FM Radio, 24 FM Presets are provided. You can change the preset channels by pressing the FF/REW button. After selecting a channel, you can press the MENU button to display the popup menu for more convenient features.

- Listen Ch: Listen to the current radio station.
- Save Current: Add the current radio station to Presets.
- Delete Ch: Delete the current radio station.

Voice Recorder (Recording Voice with Built-In Mic)

Turn on iAUDIO and press the MODE button. Then select Voice Recorder from the menu. Navigate with the + and – buttons and press the MENU button to enter MIC mode.

Press the REC button to start recording.

The sound is recorded in a pre-defined recording quality, and the file is saved as V***.mp3 in the 『VOICE』 folder under the 『RECORDS』 folder. (“***” represents a 3-digit consecutive number.)

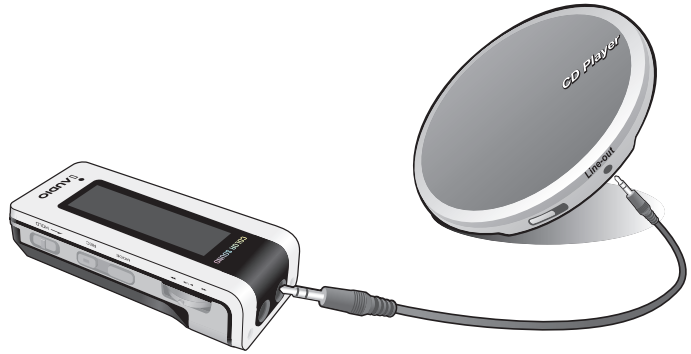
For recording quality setting procedure, see page 32 of this manual.

When the recording is finished, press the Menu button to enter Navigator for more convenient features.

- Play now: Plays the track immediately.
- Add to List: Adds the track to the Dynamic Playlist.
- Intro: Listen to only the intro part of the track.
- Delete: Completely remove the track from Flash memory.

To play recorded files more conveniently using Fast Forward and Fast Rewind features, change to MP3 Player mode, and select V***.MP3 files to play in the 『VOICE』 folder under the 『RECORDS』 folder.

Line-in Recorder (Direct Encoding)



We will describe the example of direct encoding between CDP and iAUDIO5.

Turn on iAUDIO and press the MODE button. Then select Line-in Recorder from the menu. Navigate with the + and – buttons and press the MENU button to enter the Line-in Recorder mode.

Connect the headphone jack of CDP with the Line-in jack of iAUDIO with a bi-directional stereo jack cable.

Press the REC button to switch iAUDIO to recording standby status. The memory usage icon blinks but the timer does not increase, which indicates that iAUDIO is not recording, but in on recording standby.

When you press the PLAY button of CDP, iAUDIO detects signals coming in through the Line-in jack and starts recording.

The file is recorded as L***.MP3 in the 『Line-in』 folder under the 『RECORDS』. ("***" represents a 3-digit consecutive number.)

For information on changing the recording quality, see page 32 of this manual.

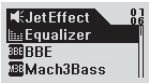
After recording, you can press and hold the Menu button to enter Navigator mode for more convenient features.

- Play now: Plays the track immediately.
- Add to List: Adds the track to Dynamic Playlist.
- Intro: Plays only the intro part of the tracks.
- Delete: Completely removes the track from Flash memory.

To play recorded files more conveniently using Fast Forward and Fast Rewind features, change to MP3 Player mode, and select L***.MP3 files to play in the 『Line-in』 folder under the 『Records』 folder.

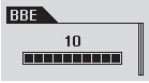
JetEffect

1. Equalizer



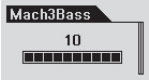
Press the MENU button in MP3 Player mode, and enter JetEffect.
When you select Equalizer and press the MENU button, the 5 band EQ appears.
Use the + and – buttons to move to your desired EQ setting from among Normal, Rock, Jazz, Classic, Pop, Vocal, and User.
You can adjust each EQ band as you like.
To adjust the values, select a desired EQ band, and press the FF button to change to editing mode. Then use the + and – buttons to change values.

2. BBE : BBE



BBE is a sound field effect that makes music clearer.
Press the MENU button in MP3 Player mode, and enter JetEffect.
Select BBE and press the MENU button. A submenu appears for you to select from 0 to 10.
Use the + and – buttons to select a value.

3. Mach3Bass : M3B

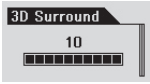


Mach3Bass is a base boosting effect that reinforces super-base frequencies.
Press the MENU button in MP3 Player mode, and select JetEffect.
Select Mach3Bass and press the MENU button. A submenu appears for you to select from 0 to 10. Use the + and – buttons to select a value.

4. MP Enhance : MP

MP Enhance is a sound field effect that compensates for the lost parts of sound.
Press the MENU button in MP3 Player mode, and select JetEffect.
Select MP Enhance and press the MENU button. A submenu appears for you to turn this function On/Off.
Use the + and – buttons to select a value.

5. 3D Surround : 3D



3D Surround provides a 3D sound effect.
Press the MENU button in MP3 Player mode, and select JetEffect.
Select 3D Surround and press the MENU button. A submenu appears for you to select from 0 to 10.
Use the + and – buttons to select a value.

6. Pan (Left and Right Balance)

Pan is a feature to adjust the balance of left and right volumes.
Press the MENU button in MP3 Player mode, and enter JetEffect.
Select Pan and press the MENU button. A submenu appears for you to select from –20 to +20.
Use the + and – buttons to select a value.

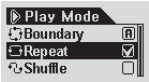
Play Mode

1. Boundary (Play Range Setting): 1 FD ALL PL

In this menu, you can select various play ranges.
MP3 files recorded by Mic and Line-in are excluded.
Press the MENU button in MP3 Player mode, and enter the PLAY mode.
While Boundary is selected, press the MENU button to show the following options one by one.

- 1 (One): plays only one track.
- F (Folder): plays only the current selected folder.
- A (All): plays all tracks in all folders.
  However, the recorded files in the RECORDS folder are excluded.
  In the RECORDS folder, only modes F or 1 are allowed.
- P (Playlist): plays only the tracks in the Playlist.

2. Repeat (Setting Repeat Play): 1 FD ALL PL



You can change the repeat play value to apply to the play track.
In MP3 Player mode, press the MENU button to enter PLAY mode.
Select Repeat and press the MENU button. The square box at the right is checked.
When you press the MENU again, the square box is unchecked and Repeat Play is not set.
When it is checked, the selected play range is played repeatedly.

3. Shuffle (Setting Random Play):

Select whether to play tracks randomly in the play range specified in PLAY mode.
In MP3 Player mode, press the MENU button to enter PLAY mode.
Select Shuffle and press the MENU button. The square box on the right is checked.
When you press the MENU again, the square box is unchecked and Shuffle is not set.
When it is checked, Shuffle is applied.

Backlight

You can change the backlight color. Press the MENU button, select Backlight, and press the MENU button again. When the following menu appears, select a color and press the MENU.
When the battery level is low, the backlight color changes to a color that consumes less battery than the specified color, and the Theme feature does not work.

1. Color

Playing, FM Radio, Recording, Menu, Navigating, Song Change

(Example) Select Playing. Three colors, Red, Green, and Blue appear.
Select Red and press the FF/REW button. The backlight color changes to red.
Select a value among 0 to 9 and press the MENU button. The parent menu appears.

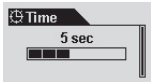
2. White Balance

- You can adjust the white balance of the backlight.
- Adjust the value until the backlight becomes white.
- Use the FF/REW button to change the color.
- Use the –/+ buttons to adjust the value.

3. Theme

- These are the predefined visualization effects provided by iAUDIO.
- Select Theme and press the MENU button. You can select a desired theme with the + and – buttons.
- Select Rainbow Runner or Shooting Star. When None is selected, the Theme feature is turned off.

4. Time



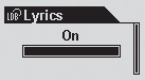
- You can set the time during which the backlight is turned on.
- Select Time and press the MENU button. Use the + and – buttons to select from 3 sec, 5 sec, 10 sec, 30 sec, 60 sec, Always On, and Always Off.

Display

1. View Watch

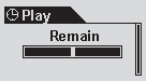
- The current time is displayed.
- When this is set to On, the current time is displayed at the location for the Folder/ Album Name in the MP3 Player.
- To set the current time, select Setup Menu → Timer → Set Time.

2. Lyrics



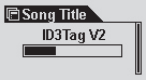
- The lyrics for the track being played are displayed.
- Select Lyrics and move the jog lever up and down to set On/Off.
- On: The lyrics are automatically displayed when they exist. / Off: The lyrics are not displayed, even when they exist.
- To switch between the general play screen and the lyrics display screen in MP3 Player mode, press and hold the REC/A↔B button. (This operation works only for tracks with lyrics.)

3. Play Time



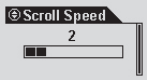
- The time info of the played track is displayed and you can select which time info to display.
- Remain: The time remaining is displayed. (Example: 3:32)
- Elapse: The time since the beginning of the track is displayed. (Example: 0:01)
- Select an option and press the MENU button to apply it.

4. Song Title



- Select how to display file names.
- ID3V2: ID3Tag Version 2 is given priority.
- ID3V1: ID3Tag Version 1 is given priority.
- FileName: The saved Windows file name is displayed.
- When you select an option and press the MENU button, it is applied beginning with the next track played.

5. Scroll Speed



- Adjust the scroll speed of the text displayed in the LCD.
- You can select a value between 0 and 8. (0 means no scroll)
  Select Scroll Speed and press the MENU button. Use the + and – buttons to select a desired value.

6. Page Sliding

- Controls animation effects for opening and closing menus.
- You can select Fast, Normal, or Smooth.
- After selecting an option, press the MENU button to apply it.

7. Language

- You can change the language of the menu.
- Chinese(Simp), Chinese(Trad), English, Hangul(Korean), Japanese, Russian

8. Contrast

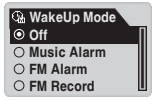
- Adjust the brightness of the LCD display.
- You can select a value between 1 and 9.
  Select Contrast and press the MENU button. Use the + and – buttons to select a desired value.

Timer

1. Set Time

- Sets the current time.
- To move between items, push the jog to << or >>.
- To change the value, push the jog to + or –.

2. WakeUp Mode

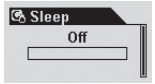


- Select an alarm operation mode.
- Music Alarm: iAUDIO powers on at the preset time, changes to MP3 Player mode, and plays the last played track. (This does not work when iAUDIO is already turned on.)
- FM Alarm: iAUDIO powers on at the preset time, changes to FM Radio mode, and plays the last-played or a pre-defined channel.
- FM Record: iAUDIO powers on at the preset time, changes to FM Radio mode, and records the last-played or a pre-defined radio channel.
  (This works whether or not iAUDIO is turned on.)

3. WakeUp Time

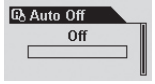
- Set the alarm time and method.
- Once is to set off the alarm only once, and Daily is to set off the alarm everyday.
- Duration is the time for which the alarm continues. When you set “10 min” for example, the power goes off automatically after 10 minutes.
- In FM Alarm and FM Record, you can select any radio station as well as the last selected station or an FM Preset station.

4. Sleep



- iAUDIO automatically turns off at preset time when it is turned on.
- You can select 0, 10, 20, 30, 40, 50, 60, 90, or 120 min.
- Select Sleep and press the MENU button. Use the + and – buttons to select a desired value.

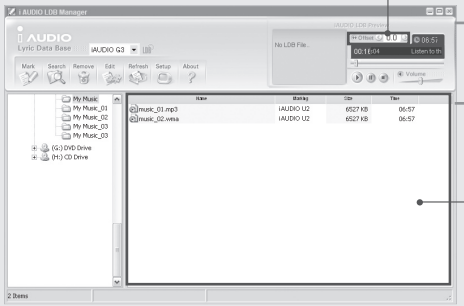
5. Auto Off



- When there are no button operations for a preset time while iAUDIO is stopped, it automatically turns off.
- You can select 0, 30 sec, 1, 5, 10, 30, or 60 min.
- Select Auto Off and press the MENU button. Use the + and – buttons to select a desired value.

LDB Manager

This software is a lyrics auto input application used in the iAUDIO MP3 Player.



- You can automatically add lyrics to music source files.
- Select files from the list and click the Mark Lyrics button to add lyrics to the files. (Multiple selections are allowed)

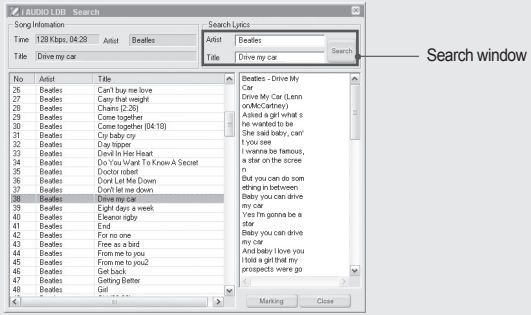
*** iAUDIO must be connected to the Internet for this feature.**

- Manually adding lyrics to music source files.
- Select a file from the list and click the Search Lyrics button. Then select the desired lyrics from the lyrics search window.

*** iAUDIO must be connected to the Internet for this feature.**

- Delete lyrics from music source files.
- Select a file from the list and click the Delete Lyrics button to delete lyrics from the file.

- Refresh List.

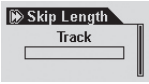


Lyrics Search Window

This window is used to search lyrics for music source files when you cannot add lyrics automatically. Enter the keywords in the search window and press the "Search" button. The searched lyrics list is displayed in the Explorer Window. When you select lyrics from the list, they are displayed in the Lyrics Window. When you press the "Marking" button, the selected lyrics are added to the music source file, and when you press the "Close" button, the Lyrics Search Window is closed.

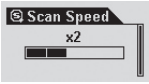
General

1. Skip Length



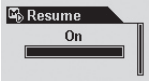
- Sets the length of time for one skip when the FF/REW button is pressed once.
- You can select Track, 2, 3, 4, 5, 10, 15, 20, or 30 sec.
- Select Skip Length and press the MENU button. Use the + and – buttons to select a desired value.

2. Scan Speed



- Sets the speed for fast forward and fast reward when you press and hold the FF/REW button.
- You can select x1, x2, x4, x8, or x16.
- Select Scan Speed and press the MENU button. Use the + and – buttons to select a desired value.

3. Resume

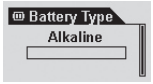


- Remembers the last position in the last played track.
- You can choose On or Off.
- Select Resume and press the MENU button. Use the + and – buttons to select a desired value.

4. Auto Play

- iAUDIO starts to play automatically after it is turned on.
- You can choose On or OFF.
- Select Auto Play and press the MENU button. Use the + and – buttons to select a desired value.

5. Battery Type

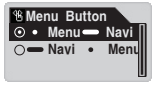


- Select the battery type to use.
- Select this carefully because the battery remainder is measured differently depending on the battery type.
- You can select Alkaline or Rechargeable. iAUDIO officially recommends 1.2 ~ 1.5 v Nickel-Hydride fast rechargeable batteries or alkaline batteries.
- Select Battery Type and press the MENU button. Use the + and – buttons to select a desired value.

6. Song Order

- Select the method to arrange song titles.
- Download Time: Arrange songs by order downloaded in.
- File Name: Arrange songs by file name.
- File Time: Arrange songs by file creation time.
- Song Order is not applied immediately, but from the next booting.
  * Since the File Name for Song Order do not use old DOS File name, but use Long File Names, which are more precisely arranged, the booting time takes a little longer.

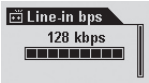
7. Menu Button



- Select whether to run Navigator or Menu when you press and hold the MENU button.

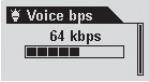
Recording

1. Line-in bps



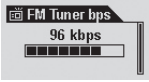
- Set the bit rate (quality) of MP3 files recorded through Line-in.
- You can select 96, 112, 128 kbps.
- Select Line-in bps and press the MENU button. Use the + and – buttons to select a desired value.

2. Voice bps (Built-in Mic)



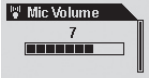
- Sets the bit rate (quality) of files recorded through the built-in mic on the front of iAUDIO.
- You can select 96, 112, 128 kbps.
- All MP3 files recorded through the built-in mic are Mono.
- Select Voice bps and press the MENU button. Use the + and – buttons to select a desired value.

3. FM Radio bps



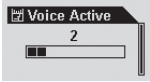
- Set the bit rate (quality) of MP3 files recorded by pressing REC while listening to FM radio.
- You can select 96, 112, or 128 kbps.
- Select FM Radio bps and press the MENU button. Use the + and – buttons to select a desired value.

4. Mic Volume



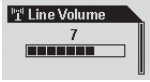
- Set the volume level of the built-in mic.
- Volumes that are too high may cause amplified noise, electric noise, peaking or distortion and degrade the recording quality.
- You can select a value between 1 and 10. Higher values mean higher amplification.
- Select Mic Volume and press the MENU button. Use the + and – buttons to select a desired value.

5. Voice Active



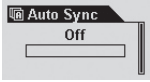
- Recording pauses when there is no sound input during recording and restarts when there is sound. This feature saves memory.
- You can select a value between 0 and 10. Smaller values mean greater sensitivity. If you set this value too high relative to the surrounding sounds, recording may not be activated as intended. Set this value to 0 when making important recording to guarantee that recording begins.
- Select Voice Active and press the MENU button. Use the + and – buttons to select a desired value.

6. Line Volume



- Set the volume level of incoming signals from the Direct Encoding jack.
- You can select values between 1 and 10. Higher values mean higher amplification.
- Select Line Volume and press the MENU button. Use the + and – buttons to select a desired value.

7. Auto Sync



- Auto Sync senses sound from the Line-in jack and automatically recognize blank intervals between tracks to create separate files for different tracks.
- You can select between 0 and 8. 0 is Off. Higher values means longer interval between tracks.
- The above numbers are not in seconds.
- Select Auto Sync and press the MENU button. Use the + and – buttons to select a desired value.

FM Radio

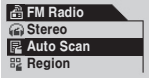
1. Stereo

- Select Stereo or Mono when listening to FM Radio.
- You can select Stereo or Mono.
- Select Stereo and press the MENU button. Use the + and – buttons to select a desired value.

2. FM Region

- Sets a region for FM Radio.
- You can select China, Europe, Japan, Korea, Russia, or US.
- Select Region and press the MENU button. Use the + and – buttons to select a desired country.

3. Auto Scan



- Auto Scan automatically finds and registers FM frequencies.

※ **The earphones work as an antenna when listening to FM Radio.**
※ **You can get better reception by straightening the earphone cord.**

Information

Version

- Displays the current version of the firmware embedded in iAUDIO.

Memory (Used/Total Memory Capacity)

- Displays information on the flash memory in iAUDIO.
- You can check the used and remaining memory capacities.
- iAUDIO Flash Memory shares some parts with the system memory.
  When you exclude the memory taken by the system that is required for normal operation of iAUDIO, the flash memory that is displayed may be less than its total capacity.
- For example, about 119MB is the normal capacity from 128MB products.

Battery (Remaining Battery Capacity)

- Displays the remaining capacity of the battery in iAUDIO as a V value.
- You can check the remaining battery capacity.

Terms and Definitions

BBE
BBE is the sound field effect that reinforces high frequencies and excellent resolutions that generates much clearer music.

Mach3Bass
Mach3Bass is a delicate base booster that reinforces super-low frequencies, and generates bass sound that is richer and denser.

MP Enhance
MP Enhance is a sound field effect that compensates for lost frequency ranges of tracks by the device itself during play.

3D Surround
3D Surround generates three-dimensional sound that gives a wider sense of space.

Boundary
The Boundary feature allows users to specify the play range for files or folders.

Contrast
The Contrast feature is used to adjust the brightness of the LCD screen.

Resume
The Resume feature memorizes the last played location.

Symptom	Action	Description
iAUDIO does not power on.	Check if the battery is loaded in the right direction.	iAUDIO does not work if the polarity of the battery is reversed.
	Replace the battery with a new one.	iAUDIO does not work when the battery is exhausted.
	Remove the battery and insert it again.	Check if there are any foreign objects obstructing contact with the battery and remove them if there are any.
There is no sound.	Check if there are any MP3 files in memory.	iAUDIO does not work when there are no saved files in it.
	Check if the HOLD button is in locked position. Try again after setting the HOLD button Off.	AUDIO buttons do not work when the HOLD button is in locked status.
FM Radio does not work.	FM Radio reception may not be good inside buildings, subways or moving cars. Listening to FM Radio may be impossible in areas shaded from radio transmissions.	
	If FM Radio does not work in areas where radio reception is possible, the reception module may be in error. In this case, please call one of our service centers.	
Characters in LCD are distorted.	Set the language of iAUDIO to English and ID3 tag to File name, and retry. If the problem persists, check the product with our service center. However, if the same symptom occurs in other iAUDIO products of the same model, it may be because iAUDIO was developed on Korean Windows and some special fonts or characters may be distorted.	
The flash memory capacity is displayed/ used less than the normal value. (e.g., 119 MB is displayed when 128 MB should)	iAUDIO's flash memory shares the system area part of its memory. Therefore, excluding the system area that is required for the normal operations of iAUDIO, the flash memory capacity may be a little reduced. For example, 119 MB is a normal capacity for 128 MB memory product.	

Symptom	Action	Description
I filled my memory capacity, and iAUDIO malfunctions or does not play at all.	Initialize iAUDIO, and save the files again but leave 1 to 2 MB of free memory space.	There is a "settings.dat" file in the Root folder in Flash Memory which is an important system file. When this file is not saved properly, or deleted/damaged during file transfer, malfunctions may occur.
After saving hundreds of files in the Root folder, iAUDIO does not work or malfunctions.	This is a limitation from Windows 98. It is recommended to create subfolders for Windows 2000 and XP as well.	iAUDIO uses FAT. Due to the limitations of FAT, avoid saving too many files in the Root directory.

When using JetShell, JetShell controls the iAUDIO drive. Consequently, you should exit JetShell before using iAUDIO for these uses:

- Installing a USB Drive
- Formatting iAUDIO from Windows Explorer
- Upgrading Firmware

MP3 Player Mode

Button	Operation	When iAUDIO is stopped	When iAUDIO is playing
Play/Pause	●	Play the current track	Stop the current track
	▬	Power off	Power off
FF	●	Play next track	Play next track or move forward by 5 sec or 10 sec (SKIP setting)
	▬	Fast Forward	Fast Forward
REW	●	Play previous track	Play previous track or move backward by 5 sec or 10 sec (SKIP setting)
	▬	Fast Rewind	Fast Rewind
MENU	●	Setting Menu	Setting Menu
	▬	Navigator	Navigator
MODE	●	Select MODE	Select MODE
	▬		Lyrics Display On/Off
VOL +		Volume Up	Volume Up
VOL –		Volume Down	Volume Down
REC/A↔B	●		Start or Stop Repeat A↔B (Section Repeat)
	▬		Set bookmark at the present position.

In Button Operations, ● means pressing briefly, and ▬ means pressing for 1 or more seconds.

FM Radio Mode

Button	Operations	When iAUDIO is stopped	In Preset Mode
Play/Pause	●	Enter Preset Mode	Release Preset Mode
	▬	Power Off	Power Off
FF	●	Increase Frequency	Play the next Preset
	▬	Automatically search for next FM station	Play the next Preset
REW	●	Decrease frequency	Play the previous Preset
	▬	Automatically search for previous FM station	Play the previous Preset
MENU	●	Setting Menu	Setting Menu
	▬	Preset Mode Setting	Preset Mode Setting
MODE		Select MODE	Select MODE
VOL +		Volume Up	Volume Up
VOL –		Volume Down	Volume Down
REC/A↔B	●	Start or stop recording	Start or stop recording

Voice Recorder/Line-in Recorder Mode

Button	Operation	When iAUDIO is stopped	When iAUDIO is recording
Play/Pause	●	Play the recorded file	Pause/Continue Recording
	▬	Power Off	Power Off
FF		Move to the next track.	
REW		Move to the previous track.	
MENU	●	Setting Menu	
	▬	Navigator	
MODE		Select MODE	
VOL +		Volume Up	
VOL –		Volume Down	
REC/A↔B	●	Start Recording	Stop Recording

Navigator

Button	Operation	When a file is selected	When a folder is selected
Play/Pause	●	Play the selected file and change to MP3 Player mode	Expand the folder
	▬		
FF	●	Play the selected file and the Navigation Mode is retained	Expand the folder
	▬	Play the selected file and change to the MP3 Player mode	
REW	●	Move to the higher folder	Move to the higher folder
	▬		
MENU	●	Pop up Menu	Pop up Menu
	▬		
MODE	●	Run Navigation Mode	
Vol +		Move focus down	Move focus down
Vol –		Move focus up	Move focus up
REC/A↔B	●	Change to the MP3 Player mode	Change to the MP3 Player mode
	▬		

JetEffect	Equalizer	: Equalizer
	BBE	: BBE
	Mach3Bass	: Mach3Bass
	MP Enhance	: MP Enhance
	Surround	: 3D Surround
	Balance	: Pan
Play Mode	Play Range	: Boundary
	Repeat Play	: Repeat
	Shuffle Play	: Shuffle
Backlight	Backlight Color	: Color
	White Balance	: White Balance
	Theme	: Theme
	Backlight Time	: Time
Display	Time Display	: View Watch
	Lyrics Display	: Lyrics
	Play Time	: Play Time
	ID3 Tag	: Song Title
	Scroll Speed	: Scroll Speed
	Slide	: Page Sliding
	Language Setting	: Language
	LCD Brightness	: Contrast
Timer	Current Time Setting	: Set Time
	Alarm Selection	: WakeUp Mode

Timer	Alarm Setting	: WakeUP Time
	Sleep Mode	: Sleep
	Auto off	: Auto off
General	Skip Length	: Skip Length
	Scan Speed	: Scan Speed
	Resume	: Resume
	Immediate Play	: Auto Play
	Battery Type	: Battery Type
	Song Ordering Method	: Song Order
	Menu Button	: Menu Button
Recording	Music	: Line-in bps
	Mic	: Voice bps
	FM	: FM Radio bps
	Mic Volume	: Mic Volume
	Voice Recognition	: Voice active
	Line Volume	: Line Volume
	Auto Synchronization	: Auto Sync
FM	Stereo	: Stereo
	Band Region	: Region
	Auto Scan	: Auto Scan
Information	Firmware Version Memory Usage Battery Details	

What is JetShell?

JetShell is the iAUDIO manager program providing the following features:

- Downloading/Uploading files from/to iAUDIO.
- File management similar to Windows Explorer
- Playing MP3, MP2, WAV, WMA, ASF, Audio CD, and Playlist (m3u)
- Copying (ripping) MP3 files from Audio CD
- Converting between WAV/MP3/WMA
- Changing bitrate of MP3 files
- Convenient file transfer using Download List
- A wide selection of spectrums, equalizers, and sound effects
- Editing ID3 tags
- Downloading iAUDIO logo
- Formatting the flash memory

Running Environment for JetShell

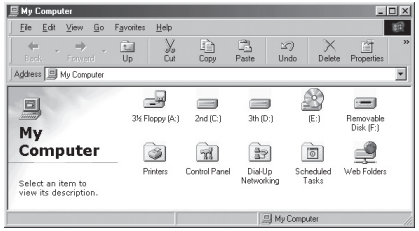
- Pentium 200 Mhz or higher
- 32 MB or more memory
- 20 MB or more hard disk space
- 256 Color or higher display
- Windows 98/ME/2000/XP (NT is not supported)
- USB Port 1.1 or higher
- CD-ROM drive
- Sound Card, Speaker or Headphone

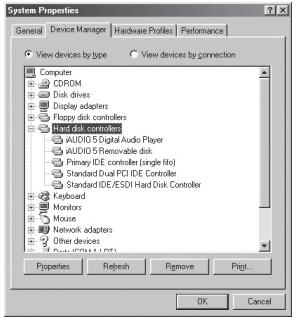
1. When you insert iAUDIO installation CD in the CD-ROM drive, the installation program starts automatically. It may not start automatically depending on the settings of Windows. In this case, run x:\setup.exe or x:\JetShell\setup.exe. (where x is the letter of your CD-ROM drive)

2. When the installation finishes, Start -> Program -> COWON -> iAUDIO5 program group is created.

3. You are now ready to connect iAUDIO to PC (Don't run JetShell at this time).
Connect the USB ports of iAUDIO to your PC using the provided USB cable.
(We recommend to connect iAUDIO to the PC directly, not using USB hub)

4. As soon as the cabe is connected, the message "Found New Hardware" appears and the USB driver for iAUDIO is installed automatically. The driver installation message may not appear on the screen depending on the status of Windows. To make sure that the installation was completed normally, check for the device "iAUDIO" in My Computer as shown below, or "Control Panel -> System -> Hardware -> Device Manager".



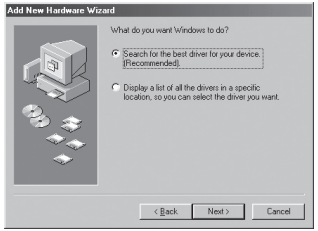


5. Now you can transfer files by using JetShell or Window Explorer.

For Windows 98 / 98 SE

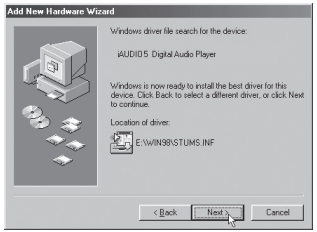
The E:\ drive shown in the illustration is an example, and it may be different from the actual drive name used by your PC. It was given for your reference only.

1. Connect the USB ports of iAUDIO to your PC using the provided USB cable. As soon as the cable is connected, "Add New Hardware Wizard" window is displayed. Click Next.

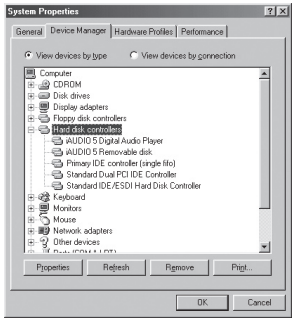


2. Check "Search for the best driver for your device" and click Next.

3. Check "Specify a location" and click Browse. From the "Browse" window, select the [Win98] folder on the iAUDIO Installation CD, and click OK.



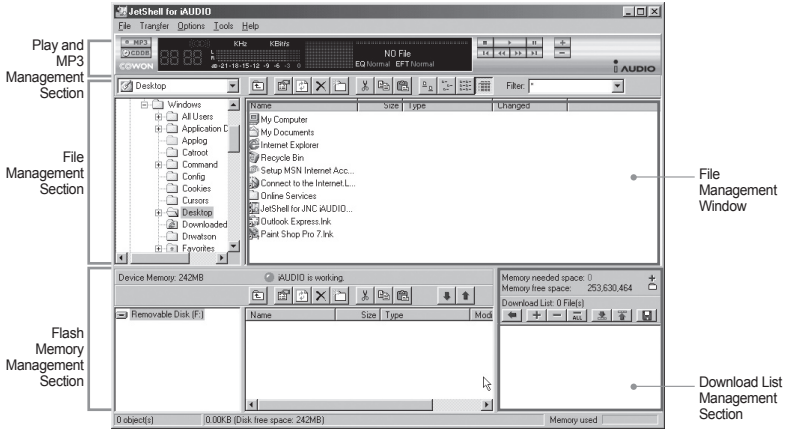
4. USB driver file for iAUDIO is found. Click Next.



5. The driver files are copied and installed from the Installation CD. When the installation finishes, a message notifying you of completion appears as shown in the picture. Click Finish.

6. Finally, make sure that installation of iAUDIO was completed normally by checking "iAUDIO5 Digital Audio Player" displayed under "Harddisk controller" of "Control Panel / System / Hardware / Device Manager".

The Whole View



When JetShell is running, it controls the iAUDIO. Make sure to exit JetShell before performing the following tasks:

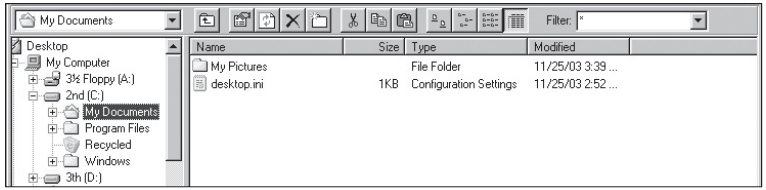
- Installing iAUDIO's USB driver
- Formatting iAUDIO in Windows Explorer
- Upgrading iAUDIO's firmware

Player Section

Double click an MP3, MP2, WAV, WMA, ASF, Audio CD track, or Playlist (m3u) file in the "File Management Window", or drag and drop files on the "Player Window" shown above. You can also select multiple files and then press the Play button. On the black screen in the middle, various information of current file is displayed, and two types of spectrum screens appear.

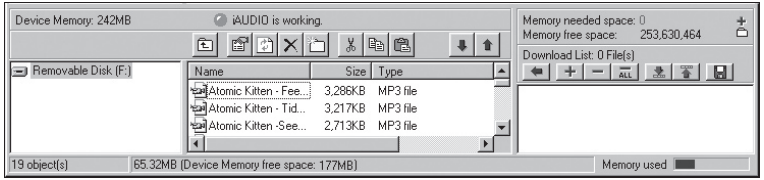
You can start and stop playing the file with the buttons at the right, and adjust the volume with the + and - buttons. To skip instantly to a specific position of the track being played, click on the position bar.

File Management Section



The File Management Section of JetShell looks just like Windows Explorer. The left window shows folders, disks, and CD-ROM drives in a tree structure, and the right window shows the files in current folder.

Flash Memory Management Section



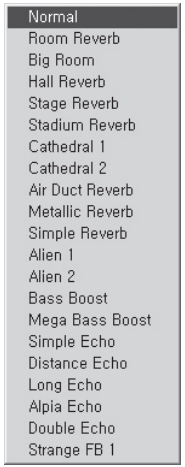
The bottom part of JetShell consists of "Flash Memory Management Window" and "Download List Window". When iAUDIO is working normally, the red lamp is turned on with the message "iAUDIO is working" as shown in the figure. The files in iAUDIO displayed in the middle window. The "Memory used" bar shown at the bottom right indicates the used memory size of the total flash memory of iAUDIO. If this bar is almost full, it means that there is almost no free space available in iAUDIO.

Button	Function	Explanation
	Up	Move to the upper folder.
	Properties	Display the properties of the selected file.
	Refresh	Refresh the contents of flash memory.
	Delete	Delete the selected file or folder.
	New folder	Create a new folder.
	Cut	Cut the selected file or folder.
	Copy	Copy the selected file or folder.
	Paste	Paste the cut or copied file.
	Transfer to Flash Memory	Transfer the selected files or folder from PC to iAUDIO.
	Transfer to PC	Transfer the selected files or folder from iAUDIO to PC.

JetShell displays visually cool spectrums. When you click on the spectrum display area, the screen changes as follows.

You can also enjoy various equalizers and sound effects.

Various Equalizers



Various Sound Effects

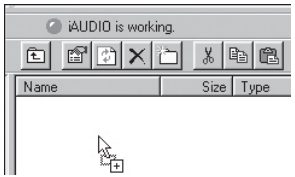
Downloading Music files to iAUDIO

If you want to download secure WMA files (WMA files from online music store) to iAUDIO, please refer to “Downloading secure WMA files to iAUDIO”. JetShell does not support downloading secure WMA files.

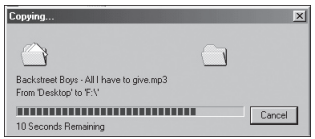
You can use Windows Explorer or other file management programs to download music files to iAUDIO.

1. Downloading music files to iAUDIO is very simple. Select files to download from the "File Management Window" and click down arrow.

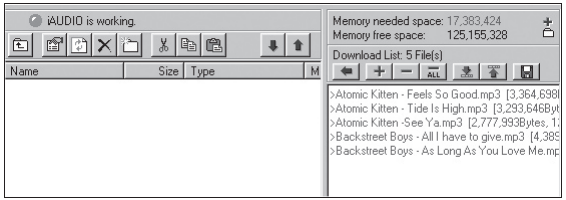
2. Or you can also drag and drop the selected files from the "File Management Window" to the "Flash Memory Management Window".



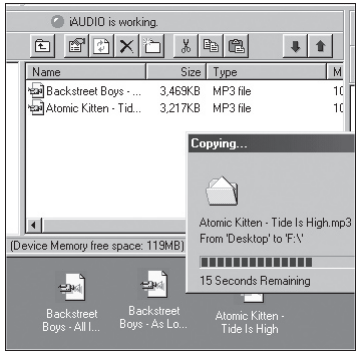
3. The following window shows the file downloading process. Never disconnect the USB cable while downloading.
   Make sure that the LCD status is READY before disconnecting USB cable.



4. Another method is to put the files in the "Download List Window" first, and transfer them later. This is useful when you wish to download files in different folders.



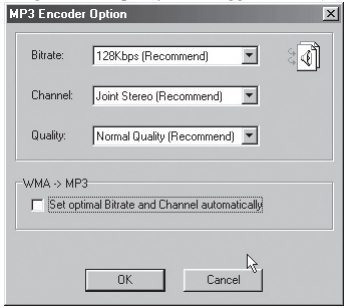
5. You can also download the files existing outside of JetShell by dragging and dropping them onto the "Flash Memory Window".



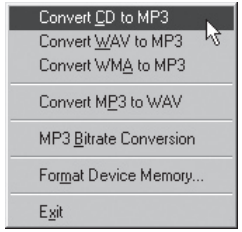
Converting Audio CD Tracks to MP3 Files and Downloading Them to iAUDIO

With JetShell, you can easily convert your Audio CD into MP3 files and download them to iAUDIO.

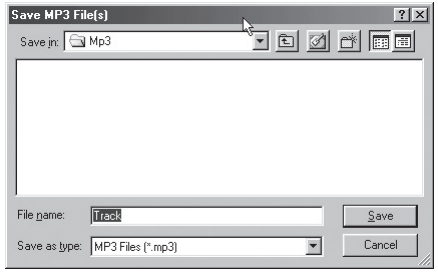
1. Before getting started, you must choose the quality of the MP3 files to create. Click [Setup] –[MP3 Encoder Option] to set the desired bitrate of the MP3 files. (The files compressed in a high bitrate have a higher sound quality and a bigger file size.)



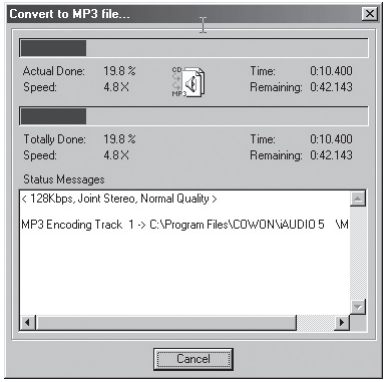
2. From the File Management section, select the CD-ROM drive in which the Audio CD is inserted. Select the audio tracks from the right window and click MP3 or [File] –[Convert CD to MP3] from the



3. Specify the path to save the MP3 files in. Choose a folder in iAUDIO to directly download MP3 files onto iAUDIO.



4. The converting process is displayed as shown below.

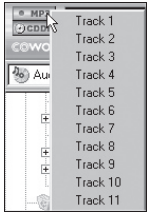


1. Ripping Enhanced CD

For some enhanced CDs, you cannot directly select the tracks on the CD.
In this case, you can right click your mouse on MP3 button and select a track to convert to file as shown in the picture below. However, for some Audio CDs for which copy protection technology is applied, this ripping method may not work.

What is an enhanced CD?

This is an audio CD that contains video or data for a PC.



The tracks appear when you right click your mouse.

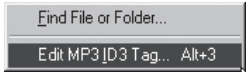
2. Accessing Internet CD Database

When you press the CDDB button, the information on the CD, such as the singer and song title can be acquired through the Internet.
To use CD database, the Internet connection must be enabled. You may not be able to use this feature depending on the status of the network or the proxy server settings.

When incorrect data is stored in the CD database, the texts may appear abnormally on your PC. This is not an error of JetShell but the information stored in CDDB.

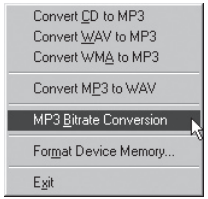
3. Editing ID3 Tag

You can edit the ID3 tag of a MP3 file by selecting [Tools] – [Edit MP3 ID3 Tag] from the JetShell menu.



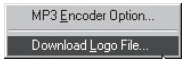
4. Changing MP3 Bitrate

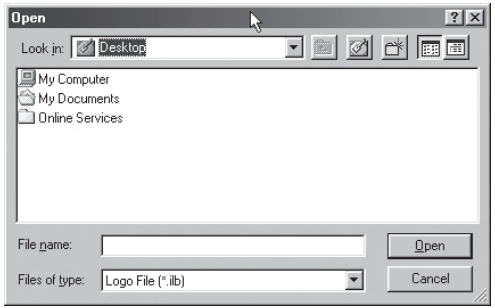
You can change the bitrate of MP3 files by selecting [MP3 Bit Rate Conversion] from the menu.



5. Downloading Logo File

You can download a logo file to change the logo screen that appears when iAUDIO powers on.
Select [Download Logo File] from the menu. When the "Open" window appears, select the desired logo file and click Open. Then the logo file is downloaded and applied.





Installing and Using JetAudio

The worldwide renowned integrated multimedia player ‘JetAudio’ is included in the iAUDIO Installation CD. To install ‘JetAudio’, run the file "CD-ROM:\JetAudio\setup.exe." For detailed information on using JetAudio, refer to the JetAudio ‘Help’ after installation, or post your question on the Q&A board at the site "http://www.JetAudio.com."

Guide to Firmware Upgrade

A. What is Firmware?

Firmware is a program embedded in the hardware, which activates various features.
By upgrading the firmware, you can enhance the features of the product and eliminate the bugs.

B. Notice for Legal Limitations and Responsibilities Regarding Firmware

- The performance and menu of iAUDIO may change without prior notice through firmware upgrades.
- When you upgrade the firmware, all the data in the flash memory may be deleted. Therefore, users should back up important files in iAUDIO before upgrading the firmware.
- All firmware upgrades are intended for overall enhancement of performance.
- We recommend not to upgrade firmware if you don't have any problems.
- Upgrading firmware is at your own risk.

C. Conditions for Firmware Upgrade

- Firmware upgrade can only be possible when iAUDIO driver is properly installed and JetShell can communicate with iAUDIO without any problems.

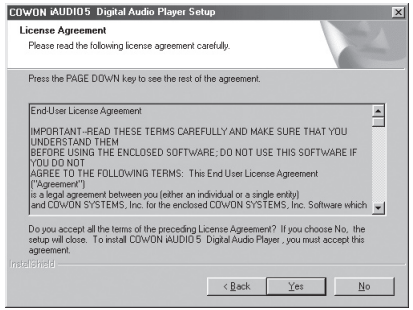
D. Upgrading Firmware

* You can download the latest firmware from “www.jetaudio.com” or “www.iaudio.com”

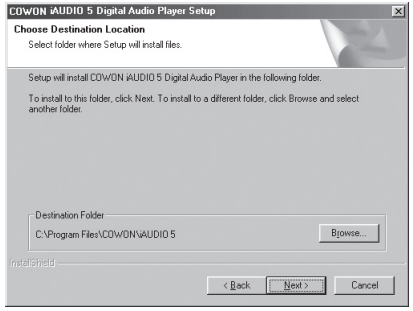
① Decompress the downloaded file and run the "setup.exe" file from among the decompressed files. Then the following window appears.

If you have already installed firmware setup program before, the following window may appear. In this case, click OK to remove previous firmware setup program, then run "setup.exe" again.

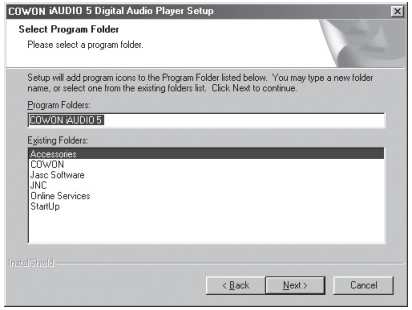
② Read the License Agreement. To continue installation, click Yes.



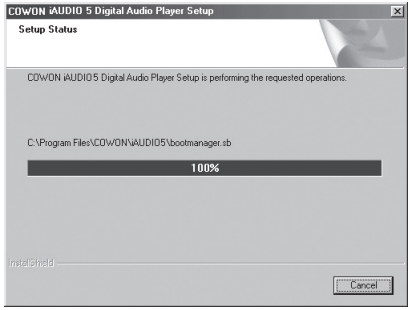
③ Specify the destination folder, theck click Next.



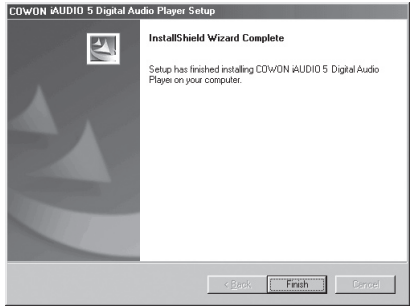
④ Specify a group name, then click Next.



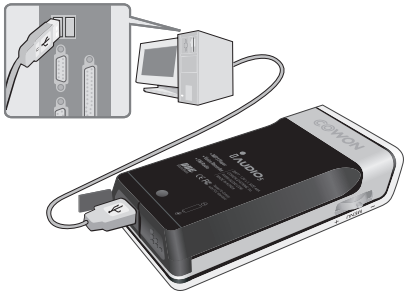
⑤ The files are copied.



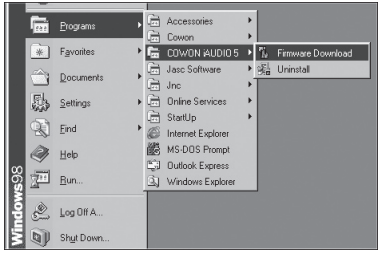
⑥ The installation is complete.



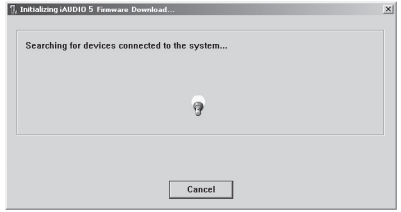
⑦ Connect the USB ports of iAUDIO to your PC using the provided USB cable.
(We recommend to connect iAUDIO to the PC directly, not using USB hub)



⑧ Run the firmware upgrade program by selecting "Firmware Download" icon in "Start / Programs / COWON iAUDIO5 / Firmware Download".

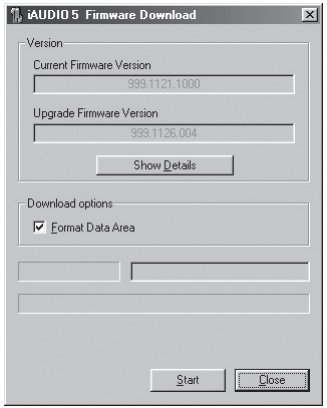


⑨ Firmware upgrade program searches iAUDIO. Make sure that iAUDIO is properly connected to the PC. If the program cannot find iAUDIO for a long time, click Cancel, disconnect iAUDIO from PC and try again from step 7.



⑩ When firmware upgrade program finds iAUDIO, the following screen appears.
If you check [Format Data Area] option, all the data stored in the flash memory is deleted. Therefore, be sure to back up important files in iAUDIO before upgrading.
Furthermore, NEVER remove the USB cable during firmware upgrade, since it may cause malfunctions. After upgrading firmware, make sure that the status has changed to READY on the iAUDIO LCD window before disconnecting USB cable. We recommend to run "Safely Remove Hardware" wizard before disconnecting the cable.

Click Start to upgrade the firmware.



FCC Statement

These products have been tested and comply with the specifications for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna
* Increase the separation between the equipment or device
* Connect the equipment to an outlet other than the receiver's
* Consult a dealer or an experienced radio/TV technician for assistance

Limited Warranty

JetAudio, Inc., is commited to providing you the flawless products by using the best materials and the workmanship available. Our warranty period is one year from the date of purchase.
If these products prove defective during this warranty period, call Customer Support in order to obtain a Return Authorization Number. BE SURE TO HAVE YOUR PROOF OF PURCHASE AND A BARCODE FROM THE PRODUCT'S PACKAGING ON HAND WHEN CALLING. RETURN REQUESTS CANNOT BE PROCESSED WITHOUT PROOF OF PURCHASE. When returning a product, mark the Return Authorization Number clearly on the outside of the package and include your original proof of purchase. All customers located outside of the United States of America shall be responsible for shipping and handling charges.

IN NO EVENT SHALL COWON's LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCTS FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, ITS ACCOMPANYING SOFTWARE, OR ITS DOCUMENTATION. COWON DOES NOT OFFER REFUNDS FOR ANY PRODUCT.

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Technical Support

For US Customers

JetAudio, Inc. Customer Service Center

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- Tel : 1-888-453-8283 (1-888-4JETAUD)
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- Email : tech_support@jetaudio.com